

## EAST Search History

| Ref # | Hits   | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|--|------------------|---------|------------------|
| L12   | 7      | Shyu-Shing-Jy.in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/11/08 10:34 |
| S1    | 7      | Shyu-Shing-Jy.in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/11/08 10:34 |
| S2    | 3792   | ceiling adj fan  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/11/07 16:34 |
| S3    | 4      | S2 and S1  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/04/10 11:44 |
| S4    | 2      | (ceiling adj fan) and (ionizer) and (sterili\$ or disinfect\$ or decontaminat\$ or freshener or malodoros or clean or cleaning or purif\$) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/04/10 12:23 |
| S5    | 135    | negatively adj charged adj oxygen adj ions   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/04/10 12:30 |
| S6    | 1      | S5 and S2  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/04/10 12:31 |
| S7    | 338584 | electrostatic  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/11/07 16:34 |

## EAST Search History

|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S8  | 42      | S7 and S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/10 14:48 |
| S9  | 1696360 | electrode   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/10 12:42 |
| S10 | 80      | S9 and S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/10 12:42 |
| S11 | 17      | (air adj cleaner) same S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/10 14:07 |
| S12 | 10      | (("5437540") or ("5568969") or ("6062816") or ("6089725") or ("6322232")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/10 14:07 |
| S13 | 10989   | ((422/1) or (422/4) or (422/5) or (422/24) or (422/124) or (422/186.04) or (422/187) or (422/305) or (416/5) or (416/244R) or (416/146R) or (416/91) or (95/78) or (96/97) or (96/66) or (96/62) or (55/2) or (55/6) or (55/101)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/08 10:13 |
| S14 | 3509169 | sterili\$ or clean or cleaner or purify or purifier or treating or treatment or saniti\$ or sanitation or deodori\$ or deodorant or malodor or odor or freshening or freshener  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/10 14:51 |
| S15 | 3265462 | (anion) or (corona) or (electrode) or (needle adj electrode) or (ion)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/07 16:35 |

## EAST Search History

|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S16 | 7       | S15 and S14 and S2 and S13  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/10 14:53 |
| S17 | 11186   | ((422/1) or (422/4) or (422/5) or (422/24) or (422/124) or (422/186.04) or (422/187) or (422/305) or (416/5) or (416/244R) or (416/146R) or (416/91) or (95/78) or (96/97) or (96/66) or (96/62) or (55/2) or (55/6) or (55/101)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/07 16:33 |
| S18 | 490244  | (ceiling adj fan) or (fan)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/07 17:06 |
| S19 | 2471    | S18 and S17   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/07 16:34 |
| S20 | 355322  | electrostatic   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/07 16:34 |
| S21 | 3373368 | (anion) or (corona) or (electrode) or (needle adj electrode) or (ion)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/07 16:35 |
| S22 | 3640853 | (anion) or (corona) or (electrode) or (needle adj electrode) or (ion) or (cathode)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/07 16:35 |
| S23 | 616     | S22 and S19   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/07 17:05 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S24 | 3150 | ((416/5) or (416/146R) or (416/244R) or (315/111.91)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/07 17:06 |
| S25 | 4076 | (ceiling adj fan)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/08 10:06 |
| S26 | 352  | S25 and S24   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/07 17:06 |